Conventional LEO to GEO transfer

- Hohmann transfer (two-impulse, minimum energy) with high-thrust chemical thrusters
  – impulses imparted at apogee and perigee of transfer orbit (GTO)
  – ΔVs from LEO to GEO
    - ΔV_1 = 2.2-2.4 km/s (GTO insertion)
    - ΔV_C = 1.4 km/s (GEO circularization)
  – transfer time ≈ 5:20 hr:min

- Continuos low-thrust propulsion
  – orbit slowly spiraling outwards
  – total ΔV = 4.2-4.6 km/s (with final circular orbit)
  – transfer time ≈ 2-6 month